

CLAIMS

What is claimed is:

1 1. A message processing method for execution by a
2 message processor, the method comprising the steps of:

3 providing in the message processor a conversation
4 thread control part;

5 connecting the message processor to a network;

6 detecting a message packet containing a destination
7 information and a conversation thread identifying
8 information;

9 determining whether a conversation thread
10 corresponding to the conversation thread identifying
11 information contained in said message packet exists in
12 the message processor;

13 generating a new conversation thread when it is
14 determined that the corresponding conversation thread
15 does not exist in the message processor; and

16 sending the message packet to a destination which
17 corresponds to the destination information.

1 2. A message processing method as set forth in claim
2 1, wherein the message packet further contains a content
3 information, and wherein the method further comprising,
4 prior to the step of sending, a step of converting the
5 message packet to a protocol which corresponds to the
6 network to which the message processor is connected.

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1 3. A message processing method for execution by a
2 message processor, the method comprising the steps of:

3 connecting the message processor to a network;

4 providing, in the message processor, a conversation
5 thread control part;

6 detecting a message packet containing a conversation
7 thread identifying information;

8 determining whether a conversation thread
9 corresponding to the conversation thread identifying
10 information contained in the message packet exists in
11 the message processor; and

12 generating a new conversation thread when it is
13 determined that the corresponding conversation thread
14 does not exist in the message processor.

1 4. A message processing method as set forth in claim
2 3, wherein the message packet further contains a
3 destination information.

1 5. A message processing method as set forth in claim
2 3, wherein the message packet further contains a content
3 information, and wherein the method further comprising a
4 step of passing a control to the corresponding conversation
5 thread when it is determined that the corresponding
6 conversation thread exists in the message processor.

1 6. A message processing method as set forth in claim
2 5, wherein the method further comprising, after the step of
3 passing, a step of analyzing the content of the content

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4 information.

1 7. A message processing method for execution by a
2 message processor, the method comprising the steps of:

3 providing, in the message processor, a plurality of
4 conversation threads and a conversation part object
5 including a conversation thread control part that is
6 capable of controlling the plurality of conversation
7 threads;

8 halting the plurality of conversation threads;

9 sending the conversation part object through a network
10 from the message processor to another place in another
11 message processor; and

12 resuming the plurality of conversation threads at the
13 another message processor.

1 8. A message processor which is connected to a
2 network, said processor comprising:

3 an agent communication language manager for detecting
4 a message packet which contains a conversation thread
5 identifying information;

6 a first conversation thread control part for
7 determining whether a conversation thread
8 corresponding to said conversation thread identifying
9 information contained in said message packet exists in
10 said message processor; and

11 a second conversation thread control part for

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12 generating a new conversation thread when it is
13 determined that said corresponding conversation thread
14 does not exist in said message processor.

1 9. A message processor as set forth in claim 8,
2 wherein said processor further comprises a protocol manager
3 for receiving said message packet containing said
4 conversation thread identifying information.

1 10. A message processor as set forth in claim 8,
2 wherein said message packet further contains a destination
3 information and a content information, and wherein said
4 processor further comprising:

5 a plurality of conversation threads; and

6 a protocol manager for converting said message packet
7 to a protocol which corresponds to a network to which
8 said message processor is connected.

1 11. A message processor as set forth in claim 8,
2 wherein said message packet further contains a content
3 information, and wherein said second conversation thread
4 control part further comprises a control part for passing
5 a control to said corresponding conversation when it is
6 determined that said corresponding conversation thread
7 exists in said message processor.

1 12. A message processor as set forth in claim 11,
2 wherein said processor further comprising:

3 a protocol manager for receiving said message packet
4 containing said conversation thread identifying
5 information and said content information; and

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6 wherein said first conversation thread control part is
7 comprised of a first interpreter and said second
8 conversation thread control part is comprised of a
9 second interpreter.

1 13. A recording media which stores therein a message
2 processing program for execution by a message processor
3 which is connected to a network, said message processing
4 program comprising:

5 a program code which instructs said message processor
6 to detect a message packet containing a destination
7 information and a conversation thread identifying
8 information;

9 a program code which instructs said message processor
10 to determine whether a conversation thread
11 corresponding to the conversation thread identifying
12 information contained in said message packet exists in
13 said message processor;

14 a program code which instructs said message processor
15 to generate a new conversation thread when it is
16 determined that said corresponding conversation thread
17 does not exist in said message processor; and

18 a program code which instructs said message processor
19 to send said message packet to a destination which
20 corresponds to said destination information.

1 14. A recording media as set forth in claim 13,
2 wherein said message packet further contains a content
3 information, and wherein said message processing program
4 further comprises a program code which instructs said

5 message processor to convert said message packet to a
6 protocol which corresponds to the network to which said
7 message processor is connected.

1 15. A media which stores therein a message processing
2 program for execution by a message processor which is
3 connected to a network, said message processing program
4 comprising:

5 a program code which instructs said message processor
6 to detect a message packet containing a conversation
7 thread identifying information;

8 a program code which instructs said message processor
9 to determine whether a conversation thread
10 corresponding to the conversation thread identifying
11 information contained in said message packet exists in
12 said message processor; and

13 a program code which instructs said message processor
14 to generate a new conversation thread when it is
15 determined that said corresponding conversation thread
16 does not exist in said message processor.

1 16. A media as set forth in claim 15, wherein said
2 message packet further contains a content information, and
3 wherein said message processing program further comprising
4 a program code which instructs said message processor to
5 pass a control to said corresponding conversation thread
6 when it is determined that said corresponding conversation
7 thread exists in said message processor.

1 17. A media as set forth in claim 16, wherein said
2 message processing program further comprising a program

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3 code which instructs said message processor to analyze the
4 content of said content information.

1 18. A media which stores therein a message processing
2 program for execution by a message processor which is
3 capable of sending a message to another message processor
4 through a network, said message processing program
5 comprising:

6 a program code which instructs said message processor
7 to halt a plurality of conversation threads;

8
9 a program code which instructs said message processor
10 to send a conversation part object which includes said
11 plurality of conversation threads to another place
12 through said network; and

13 a program code which instructs said message processor
14 to resume said plurality of conversation threads.

1 19. A media which stores therein a plurality of
2 objects to be loaded to a message processor which is
3 connected to a network, said message processing program
4 comprising:

5 an agent communication language manager for detecting
6 a message packet which contains a conversation thread
7 identifying information;

8 a first conversation thread control part for
9 determining whether a conversation thread
10 corresponding to said conversation thread identifying
11 information contained in said message packet exists in
12 said message processor; and

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13 a second conversation thread control part for
14 generating a new conversation thread when it is
15 determined that said corresponding conversation thread
16 does not exist in said message processor.

1 20. A media as set forth in claim 19, wherein said
2 message packet further contains a destination information
3 and a content information, and wherein said message
4 processing program further comprising:

5 a plurality of conversation threads; and

6 a protocol manager for converting said message packet
7 to a protocol which corresponds to a network to which
8 said message processor is connected.

1 21. A media as set forth in claim 19, wherein said
2 message processing program further comprising a protocol
3 manager for receiving said message packet containing said
4 conversation thread identifying information.